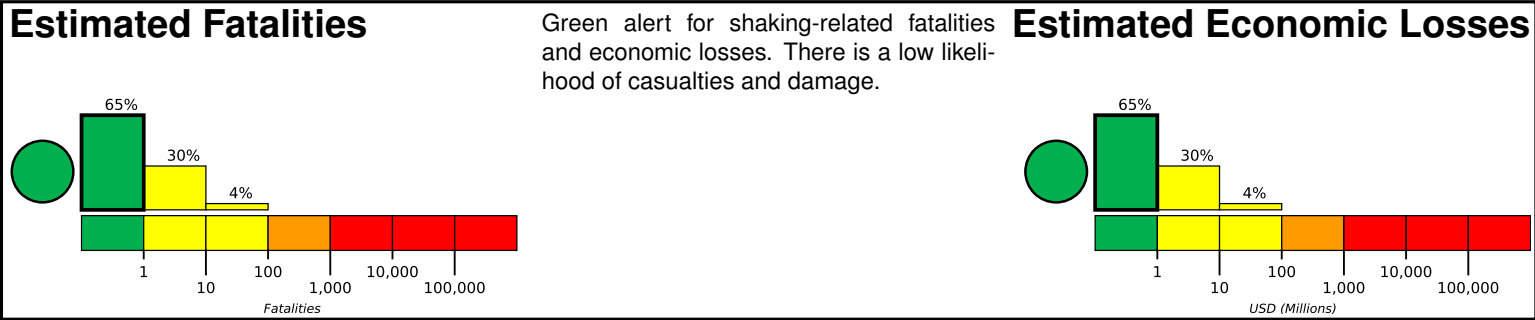


M 5.8, 3 km NNE of Emiliano Zapata, Mexico

Origin Time: 2023-09-08 16:37:16 UTC (Fri 11:37:16 local)  
Location: 19.4160° N 104.9482° W Depth: 48.0 km

PAGER Version 6

Created: 1 day, 1 hour after earthquake

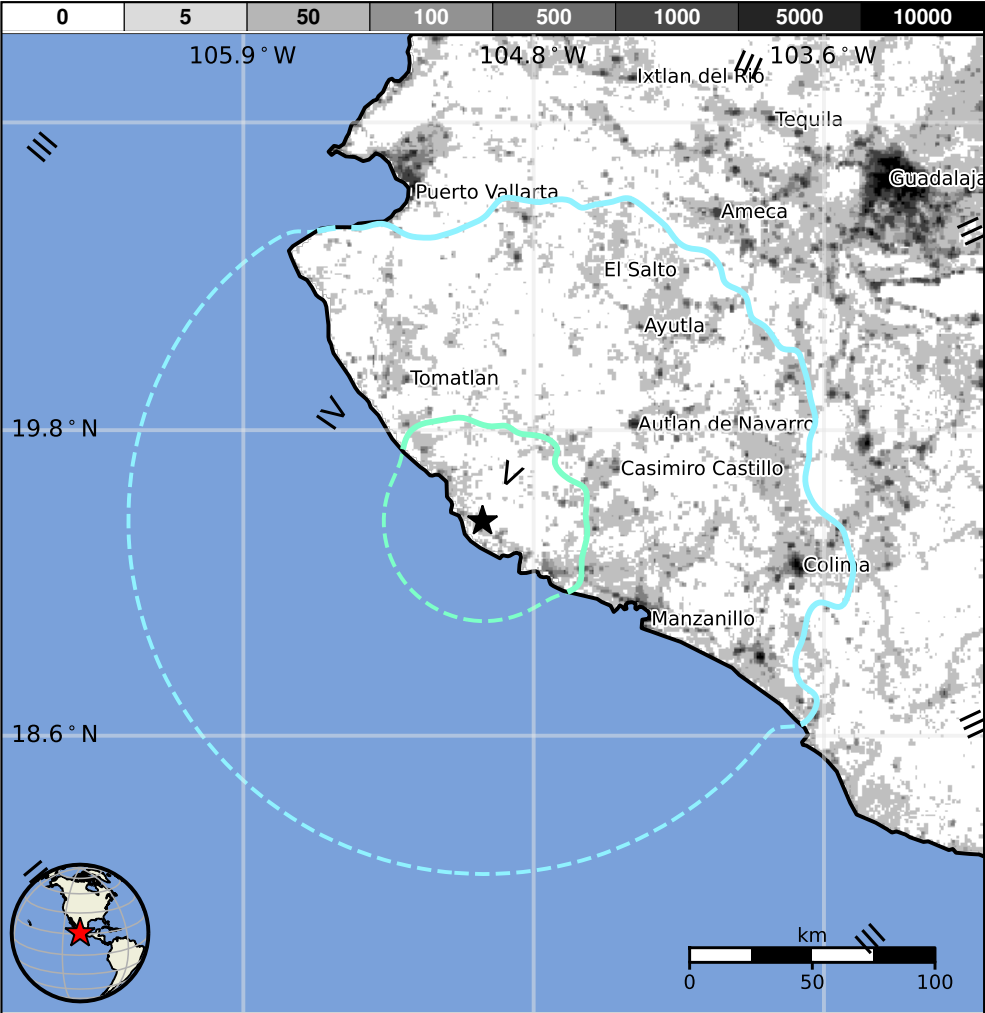


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	7,013k*	1,441k	77k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-01-22	109	7.5	VII(300k)	29
1997-01-11	263	7.1	VIII(13k)	1
1985-09-19	291	8.0	VII(309k)	10k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
V	Las Juntas	6k
V	Jaluco	3k
V	San Patricio	7k
V	La Huerta	8k
V	Emiliano Zapata (El Ranchito)	2k
IV	Purificacion	5k
IV	Colima	127k
III	Guadalajara	1,641k
III	Tlaquepaque	494k
III	Zapopan	988k
III	Tonalá	402k